



SEQUENCE LISTING

<110> NAKASHIMA, Nobuhiko
KANAMORI, Yasushi

<120> A Novel Higher-Order Structure With Promoting Translation
Activity

<130> 3190-015

<140> US 10/088,750

<141> 2002-03-20

<150> JP P2001-016746

<151> 2001-01-25

<150> PCT/JP01/00641

<151> 2001-01-31

<160> 12

<170> PatentIn version 3.2

<210> 1

<211> 200

<212> RNA

<213> Plautia Stali Intestine Virus

<400> 1

gacuauguga ucuuauuuuuuu auuagguuuuu auuucgaggu uaaaaauagu uuuaauuuug 60

cuauagucuu agaggucuuu uauuuuuuuu cuuaccacac aagauggacc ggagcagccc 120

uccaauaucu aguguacccu cgugcucgcu caaacuuuuu gugguguugu gcgaaaagaa 180

ucucacuuca agaaaaagaa 200

<210> 2

<211> 199

<212> RNA

<213> Himetobi P Virus

<400> 2

gaaaugugu gaucugauuu gaaguaagaa auuuccuagu uauuuuuuuu uuauuacugc 60

uacuuuuuuu agaccuuuag uuuuuuuagcu uuaccgcccga ggauggggug cagcguuccu 120

gcauuuucca gggcaccuag ggcagccuu guaguuuuag uggacuuuag gcuaaagaau 180

uucacuagca auuuuuuuu 199

<210> 3

<211> 201

<212> RNA

<213> Drosophila C Virus

<400> 3

guuaagaugu gaucuugcuu ccuuuuuacaa uuuuugagagg uuaauaagaa ggaaguagug 60

cuauuuuuu auuuagguuu acuuuuuuuag uuuuuacuguu aggaugccua uggcagccc 120

cauuuuuucc aggaacccu cucugcuucu uuuuuuuuuu gguugucuuu uagaauaaga 180

aaauaaccug cuaacuuuca a 201

<210> 4
<211> 200
<212> RNA
<213> Cricket Paralysis Virus

<400> 4
caaaaugug aucuugcuug uaaauacaau uuugagaggu uauuaaaaua caaguagugc 60
uauuuuugua uuuagguuag cuauuuagcu uuacguucca ggaugccuag uggcagcccc 120
acaauaucca ggaagcccuc ucugcgguuu uucagauuag guagucgaaa aaccuaagaa 180
auuuaccugc uacauuucaa 200

<210> 5
<211> 198
<212> RNA
<213> Triatoma Virus

<400> 5
uugacuangu gaucuugcuu ucguaaauaa aucuguacau aaaagucgaa aguauugcua 60
uaguuaaggu ugcgcugucc uauuuaggca uacuucucag gauggcgcg ugcaguccaa 120
caagauccag ggacuguaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu 180
ugacucgcug uaaauaa 198

<210> 6
<211> 202
<212> RNA
<213> Black Queen-Cell Virus

<400> 6
ccaacaangu gaucuugcuu gcggaggcaa aauuugcaca guauaaaauc ugcaaguagu 60
gcuauuguug gaaucaccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc 120
ccuaucaaua ucuaggagaa cugugcuauug uuuagaagau uagguagucu cuaaacagaa 180
caauuuaccu gcugaacaaa uu 202

<210> 7
<211> 187
<212> RNA
<213> Rhopalosiphum Padi Virus

<400> 7
aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcguau ugcuaacaaca 60
cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucuag 120
auacgucaca ggagagcaua cgcuaggucg cguugacuau ccuuauauau gaccugcaaa 180
uauaaac 187

<210> 8
<211> 29

<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a forward primer.

<400> 8
ggttaaattt caggtaaaaa attgctata 29

<210> 9
<211> 35
<212> DNA
<213> Artificial

<220>
<223> The sequence was synthesized for use as a reverse primer.

<400> 9
cctcgaaatt taaccagatc acatagtcag ctttc 35

<210> 10
<211> 281
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate secondary structures predicted by a computer program, MFOLD, as shown in Fig. 3.

<400> 10
cggugucgaa guagaauuuc uaucucgaca cgcggccuuc caagcaguua gggaaaccga 60
cuucuuugaa gaagaaagcu gacuauguga ucuuauuuuu auuggauuaa auuucgaggu 120
uaauaaaagu uuuauuuuug cuauagucuu agaggucuuu uauauuuuaua cuuaccacac 180
aagauggacc ggagcagccc uccaauaucu aguguacccu cgugcucgcu caaacauuaa 240
gugguguugu gcgaaaagaa ucucacuuca agaaaaagaa u 281

<210> 11
<211> 16
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 11
aacauuaagu gguguu 16

<210> 12
<211> 16
<212> RNA
<213> Unknown

<220>
<223> The sequence is used only to illustrate aspects of higher order structures on protein synthesis in Fig. 8A.

<400> 12
aacauugggu gguguu